

NHA	USED ON	MOD	LTR	DESCRIPTION	DATE	APPROVED
	ALL		-	MANUFACTURE REL 2545	8-12-87	<i>[Signature]</i>
			A	INC CHANGES / ECO 2887	10-30-87	<i>N. [Signature]</i>
			B	INC ECO'S 2921, 3009, 3017 3046, 3089, 3099, 3121, 3142 & 3152	2-26-88	<i>6. [Signature]</i>
			C	ADDED PLACARDS UP TO -104	7-28-89	<i>[Signature]</i>
			D	ADDED -105, -106, -107 / INCORP ECO'S 3172 AND 3213	8-23-90	<i>[Signature]</i>
			E	ADDED -108, -109	4-9-90	<i>[Signature]</i>
			F	ADDED -110	6-18-90	<i>[Signature]</i>
			G	ADDED -111	7-16-90	<i>[Signature]</i>
			H	ADDED -112, PG. 21	8-14-90	<i>[Signature]</i>
			J	ADDED -55	9-18-90	<i>[Signature]</i>
			K	ADDED -56	9-22-90	<i>[Signature]</i>
			L	ADDED -113	9-28-90	<i>[Signature]</i>
			M	-105, AMBER LIGHT WAS GREEN LIGHT ADDED -114 THRU -121	10-17-90	<i>[Signature]</i>
			N	-122 THRU -124 PLACARD ADDED	10-26-90	<i>[Signature]</i>
			O	ADDED -125 THRU -132 / ECO 3418	12-19-90	<i>[Signature]</i>
			P	ADDED -133 TO -139	10-14-91	<i>[Signature]</i>
			Q	ADDED -140	2/25/92	<i>[Signature]</i>
			R	ADDED -141 + -142	3-16-92	<i>[Signature]</i>
			S	ADDED -143 + -144 / ECO 4191	6-14-94	<i>[Signature]</i>
			T	ADDED -145 w/ ECO 4616	8/25/95	<i>[Signature]</i>

NOTES:  
(See page 1A)

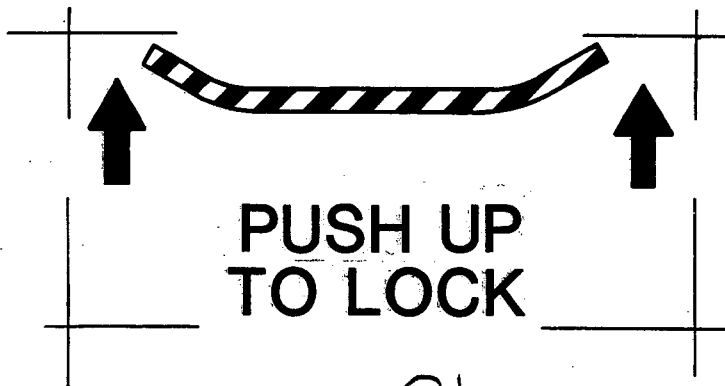
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONS DECIMALS ANGLES $\pm 1/32$ $\pm .02$ $\pm .003$ $\pm 1^\circ$	DRN LATHAM	8-7-87	SFENA CORPORATION GRAND PRAIRIE - TEXAS		
	CHK <i>[Signature]</i>	5/2/87			
	APP <i>[Signature]</i>	8-12-92	DECAL ARTWORK		
	CONTRACT :				
STC SH7854SW STC SH7896SW STC SH7844SW STC SH7949SW STC SH3844SW STC SH7356SW STC SH7363SW STC SH7627SW	SFENA APP	SIZE A	CODE IDENT NO. 58356	DWG NO. 183-34104-XXX	SHEET 1 of 27
CUST. APP	SCALE FULL	WT.			

STC'd PRINT

NOTES: Unless otherwise specified

1. This drawing shows artwork only. See applicable installation drawing for material and location of decal.

DECAL ARTWORK	SIZE	CODE IDENT NO.	DWG NO.	
	A	58356	183-34104-XXX	
SCALE		N/A	REV.	SHEET
			H	1A



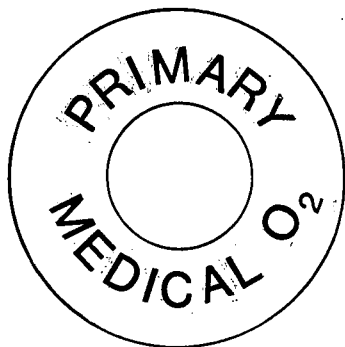
-01



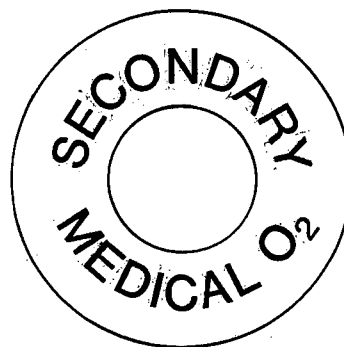
2

-02

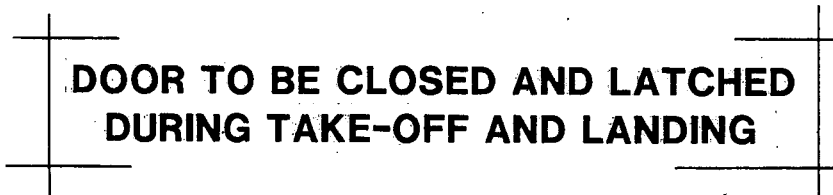
WHT LTR/RED BCKGND



-03



-04



7 11

-05 STC SH3858SW



6er

-06

DWG NO

183-34104-XXX

**STC'd PRINT** SHEET 2

UNIT MUST BE LATCHED IN POSITION  
DURING TAKE-OFF , INFLIGHT AND LANDING

-07

UNIT MUST BE LOCKED WITH HANDLES  
FULLY RETRACTED IN FORE OR AFT  
POSITION FOR TAKE-OFF AND LANDING

-08

LOOSE EQUIPMENT MUST BE  
STOWED FOR TAKE-OFF AND LANDING

-09

-10

35 LBS MAX

10 LBS MAX

-12

-11

40 LBS MAX

15 LBS MAX

-13

STC SH3858SW

3  
MEDICAL  
OXYGEN

-14

2  
DOOR MUST  
BE CLOSED  
AND LATCHED  
DURING USE  
OF SYSTEM

-15

DWG NO

183-34104-XXX

STC'd PRINT SHEET 3

**SHOULDER / LAP BELT  
MUST BE USED AT ALL TIMES**

-16

**THIS SEAT NOT TO BE OCCUPIED  
WITH FOUR PATIENT CONFIGURATION**

-17 STC SH3858SW

**UNLOCK DURING FLIGHT ONLY**

-18

**DOOR MUST BE VERTICAL AND LEGS  
FULLY EXTENDED BEFORE OCCUPANCY**

-19 STC SH3858SW

**PULL OFF / PUSH ON**

- 20

**SECONDARY OXYGEN**

- 21

**PRIMARY OXYGEN**

- 22

DWG NO

183-34104-XXX

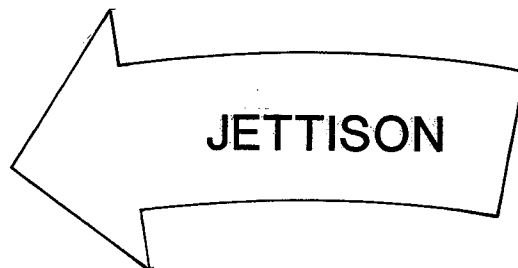
**STC'd PRINT** SHEET 4

MAX FLOOR LOADING  
125 POUNDS / Sq. FEET

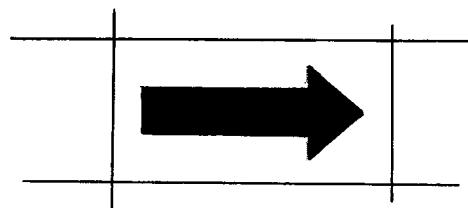
- 23

DOOR  
JETTISON  
HANDLE

- 24



- 26



- 27

PULL TO UNLOCK

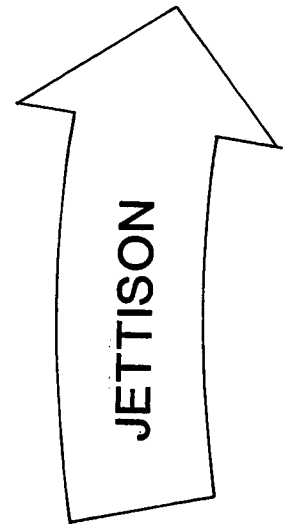
- 28

FOR EXIT  
PRESS HERE

- 29

PULL TO OPEN

- 30



- 25

1 UNLOCK  
2 PULL TO OPEN

- 31

DWG NO  
183-34104-XXX

STC'd PRINT SHEET 5

PRIMARY

-33

SECONDARY

- 34

1850 PSI  
MAX

- 35

STC SH7949SW

WHT LTR/GRN BKGND

MAX TOTAL WT 100 LB

STC SH7854SW

-36

DWG NO

183-34104-XXX

**STC'd PRINT SHEET 6**

TOTAL MAX WT 230 LBS

- 37



PUSH UP  
TO LOCK



-39

MAX TOTAL WEIGHT  
140 lbs  
(WITH EMS EQUIPMENT &  
INVERTER RACK INSTALLED)

-40

**FIRE  
EXTINGUISHER**

- 38

DWG. NO.

183-34104-XXX

**STC'd PRINT** SHEET 7

# NO SMOKING

- 41

115 V  
GROUND POWER

-42

PULL  
TO  
JETTISON

115 VAC

-43

- 4 4

MAX TOTAL WEIGHT  
**140 lbs**  
(WITH EMS EQUIPMENT ,  
INVERTER RACK &  
AIR CONDITIONING INSTALLED)

-45

TOTAL WEIGHT FOR  
THIS COMPARTMENT 35 lbs

-46

ROTATE HANDLE  
CLOCKWISE  
TO LOCK



-47

90 lbs

183-34104-XXX

**STC'd PRINT** SHEET 8

5 LBS MAX	- 48
7.5 LBS MAX	- 49
8 LBS MAX	- 50
7 LBS MAX	- 51
2 LBS MAX	- 52
20 LBS MAX	- 53
80 LBS MAX	- 54
160 LBS MAX	- 55
MAX 50 LBS.	- 56
	- 57
	- 58

**LOCK** -59

PULL  
TO  
UNLOCK -60

-61  
MIN COCKPIT WEIGHT 350 LBS

-62  
SINGLE ATTENDANT MUST  
OCCUPY FORWARD SEAT ONLY

**TURN BATTERY  
SWITCH ON  
WHEN USING  
GROUND POWER**

**AUX BATT DISC SW  
TURN OFF IF AUX BAT T  
ANN LIGHT IS ON OR IF  
CURRENT LOAD ON  
GENERATOR EXCEEDS  
RECOMMENDED LIMITS**

-64

-63

**SERVICE WITH AVIATION  
BREATHING OXYGEN ONLY**

GREEN/WHITE  
BKGD LTR

-65

**MAXIMUM BAGGAGE COMPARTMENT WEIGHT  
WITH OXYGEN SYSTEM INSTALLED**

**190 lbs.**

BLACK/WHITE

**NO SMOKING OXYGEN**

RED/WHITE

183-34104-XXX

SHEET 10

**STC'd PRINT**

DO NOT OPERATE  
SEARCH LIGHT BELOW 50 FT

- 68

REMOVE OPERATIONAL BALLAST  
WHEN NIGHT SUN IS REMOVED

- 69

- 70

INSTALL OPERATIONAL BALLAST  
IN BAGGAGE COMPARTMENT  
WHEN NIGHT SUN IS INSTALLED

- 71

SEARCH LIGHT MUST BE  
HORIZONTAL BEFORE LANDING

- 72

INSTALL/SECURE  
(QUICK MOUNT)  
OPERATIONAL BALLAST  
THIS STA LOCATION

- 73

**NO STEP**

- 74

(STEP  
ONLY)

RADIO CALL

**N781LL**

- 75

TURN OFF STROBE LIGHT WHEN TAXIING IN VICINITY OF OTHER  
AIRCRAFT OR DURING FLIGHT THRU CLOUDS, FOG OR HAZE.

STANDARD POSITION LIGHTS  
TO BE ON FOR ALL NIGHT OPERATIONS

- 76

**STC'd PRINT**

DWG NO.  
183-34104-XXX  
SHEET 11

AIR SPEED LIMITATIONS  
BASIC CONFIGURATION 2900 LBS GROSS WT OR LESS  
VNE 150 NPH SEA LEVEL TO 3000 FT  
ABOVE 3000 FT DECREASE VNE 4.0 NPH PER 1000 FT

- 77

**WARNING**

- 78 OXYGEN AND ANY PETROLEUM PRODUCTS  
(OIL GREASE AND LOTION, ETC) FOR A  
FAILURE TO KEEP OXYGEN SERVING  
EQUIPMENT FREE OF PETROLEUM PRODUCTS  
WILL RESULT IN INJURY OR DEATH.

- 84 81

**MAX TOTAL WEIGHT**  
**100 lbs**  
(WITH EMS EQUIPMENT ,  
INVERTER RACK &  
AIR CONDITIONING INSTALLED)

82

**MAX TOTAL WEIGHT**  
**158 lbs**  
(WITH EMS EQUIPMENT ,  
INVERTER RACK &  
AIR CONDITIONING INSTALLED)

- 83

**STC'd PRINT**

DWG NO.  
183-34104-XXX  
SHEET 12

# WARNING

OXYGEN AND ANY PETROLEUM PRODUCTS  
(OIL, GREASE, HAND LOTION, ETC) FORM A  
SPONTANEOUSLY COMBUSTIBLE MIXTURE.  
FAILURE TO KEEP OXYGEN SERVICING  
EQUIPMENT FREE OF PETROLEUM PRODUCTS  
WILL RESULT IN INJURY OR DEATH.

-84

REN/WHITE

-84

DO NOT OPERATE NIGHTSUN  
AND ECU SIMULTANEOUSLY  
WHEN EMERGENCY MEDICAL  
BUS IS IN USE.

-85

STC'd PRINT

DWG NO.  
183-34104-XXX  
SHEET 13

WHT LTR/GRN BK

**NO SMOKING**

**- 86** STC SH7949SW

**LOOSE EQUIPMENT  
MUST BE STOWED FOR  
TAKE-OFF AND LANDING**

**- 87**

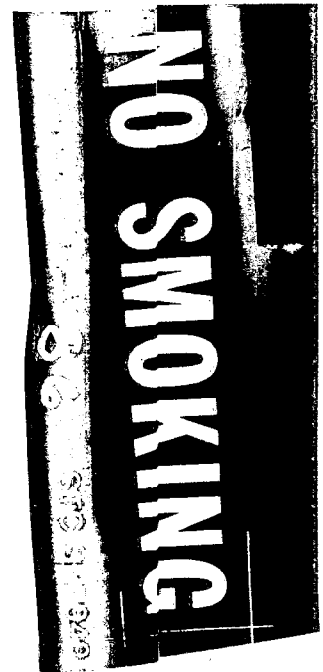
**UNIT MUST BE IN AN INBD OR OUTBD  
POSITION AND LOCKED WITH HANDLES  
FULLY RETRACTED FOR TAKE-OFF  
AND LANDING.**

**- 88**



**- 89**

**STC'd PRINT**

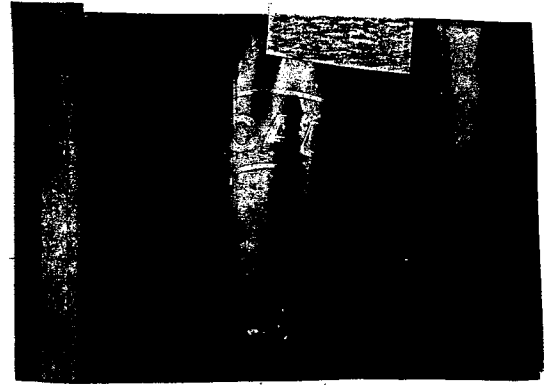


DWG NO  
183-34104-XXX  
SHEET 14

SHORE POWER MUST HAVE  
SAFETY GROUND WIRE IN CABLE  
AND EARTH GROUNDED AT  
POWER SOURCE.

- 90

DO NOT OPERATE HOIST  
WHEN MED-B BUSS IS IN OPERATION



- 94

- 91

WITH EMS EQUIPMENT INSTALLED  
MAXIMUM COMPARTMENT CAPACITY  
IS REDUCED TO 450 Lbs.

- 92

UNIT MUST BE PARALLEL TO FORE/AFT DIRECTION  
AND LOCKED WITH HANDLES FULLY RETRACTED  
FOR TAKE-OFF AND LANDING.

- 93

STC'd PRINT

DWG NO.  
103-34104-XXX  
SHEET 15



- 94



- 95



- 96



SEAT MUST FACE AFT  
FOR TAKE-OFF AND LANDING

- 97

DWG No,  
183-34104-XXX  
SHEET 115

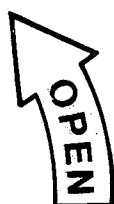
**STC'd PRINT**

LOCK / OPEN PROCEDURE :  
GRASP KNOB PULL OUTWARD  
AT THE SAME TIME TWIST  
IN DIRECTION OF OPERATION  
DESIRED. IN "LOCKED POSITION"  
SHOULD ACTUAL DETENT.

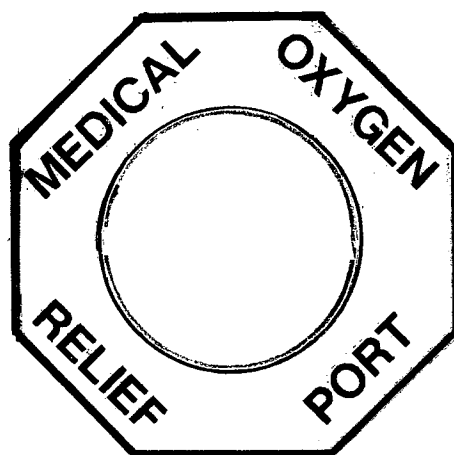
- 98



- 99



- 100



- 101

STC SH7949SW  
WHT LTR / GRN BCKGND

DWG NO  
183-34101-XXX

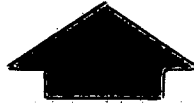
SHEET 17

**STC'd PRINT**

ACFT TO BE GROUNDED DURING  
OXYGEN SYSTEM SERVICING

-102

BLK BKGD/WHT LTR



**MAX WEIGHT 25 Lbs. STOWAGE**

-103

BLK BKGD/WHT LTR

MAXIMUM BAGGAGE COMPARTMENT WEIGHT  
WITH OXYGEN SYSTEM INSTALLED  
220 lbs.

-104

RED BKGD/WHT LTR

DWG. NO.  
183-34104-XXX

**ORIGINAL**

SH 18

AMBER LIGHT  
"CREW STEPS" NOT STOWED.  
MUST BE STOWED DURING  
TAKEOFF, IN FLIGHT & LANDING.

-105

GREEN LIGHT  
"CREW STEPS" NOT STOWED.  
MUST BE STOWED DURING  
TAKEOFF, IN FLIGHT & LANDING.

GREEN LIGHT  
"CREW STEPS" NOT STOWED.  
MUST BE STOWED DURING  
TAKEOFF, IN FLIGHT & LANDING.

WITH FLIR IMAGER INSTALLED VFR ONLY

-106

WITH SX-16 NIGHTSUN INSTALLED VFR ONLY

-107

## WARNING

OXYGEN AND ANY PETROLEUM PRODUCTS  
(OIL, GREASE, HAND LOTION, ETC.) FORM A  
SPONTANEOUSLY COMBUSTIBLE MIXTURE.  
FAILURE TO KEEP OXYGEN SERVICING  
EQUIPMENT FREE OF PETROLEUM PRODUCTS  
WILL RESULT IN INJURY OR DEATH.

AIRCRAFT TO BE GROUNDED DURING  
OXYGEN SYSTEM SERVICING.

WHT LTR/GRN  
BACKGND

108

STC SH7949SW

WHT LTR/RED BCKGND

OXYGEN

OXYGEN

WHT LTR/  
GRN BCKGND  
STC SH7949SW

PUSH ON / PULL OFF

PUSH ON/PULL OFF

183-34104-109

-109 STC SH7949SW

DWG. NO.

183-34104-XXX

ORIGINAL

SH. 19

MEDICAL

OXYGEN PRESSURE

HEADREST ASSY MUST BE IN PLACE AND  
SECURELY FASTENED FOR AFT FACING  
SEAT OCCUPANCY DURING TAKEOFF AND  
LANDING

-111  
(STC SH7896SW)

MEDICAL

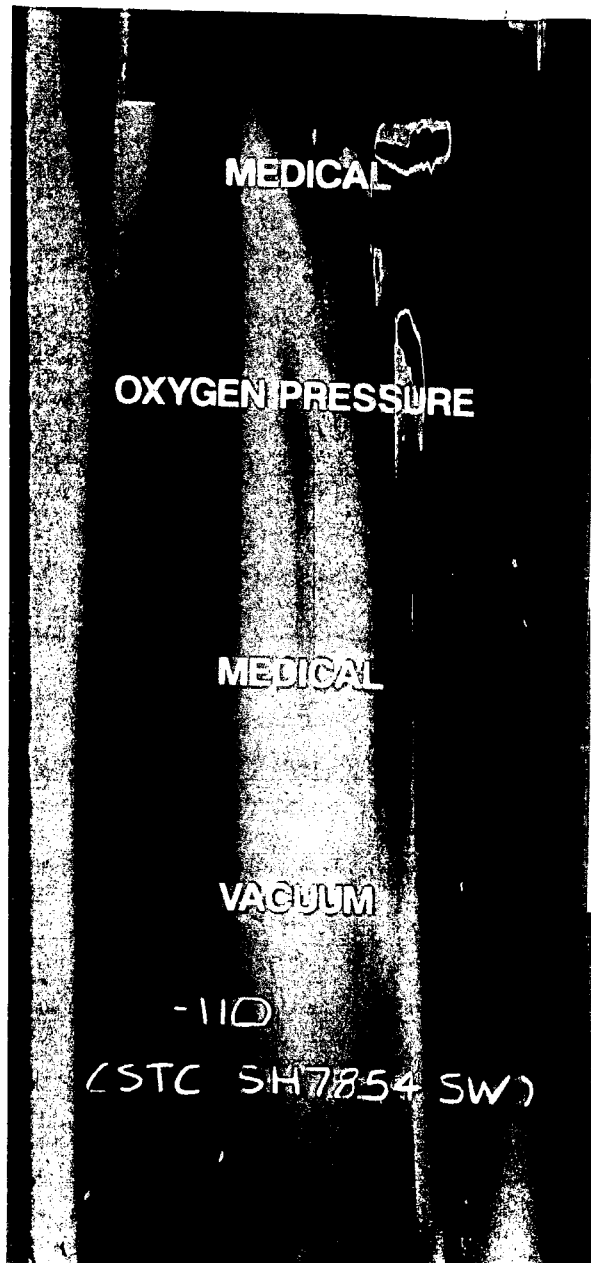
VACUUM

-110

wht Hr  
grn bck  
STC SH7854SW

STC SH7849SW

STC SH7949SW



STC'd PRINT

183-34104-XXX 5420

**EMERGENCY EXITING**

1. GRASP HANDLES (2) ON FWD END OF WINDOW SHADE, PULL FIRMLY INBOARD (TOWARD YOU).
2. AFTER FWD END OF WINDOW SHADE POPS LOOSE PULL UNIT FWD AND DISCARD.
3. KICK/PUNCH WINDOW PANE CORNERS IN AREAS MARKED TO DISLodge.  
THIS WILL ALLOW WINDOW PANE TO BE PUSHED OUTBOARD.
4. EXIT THRU OPENING.

-112

**EMERGENCY EXITING**

1. GRASP HANDLES (2) ON FWD END OF WINDOW SHADE, PULL FIRMLY TOWARD YOU.
2. AFTER FWD END OF WINDOW SHADE POPS LOOSE PULL UNIT FWD AND DISCARD.
3. KICK/PUNCH WINDOW PANE CORNERS IN AREAS MARKED TO DISLodge.  
THIS WILL ALLOW WINDOW PANE TO BE PUSHED OUTBOARD.
4. EXIT THRU OPENING.

-113

DWG. NO.  
183-34104-XXX

**ORIGINAL** SH. 21

**SWITCH  
PANEL**

-114

**INCASE OF AIRSTAIR ELECTRICAL/HYDRAULIC  
FAILURE USE DUMP VALVE LOCATED  
IN CENTER POST,AFT SIDE  
OF DOOR.**

-115

**AIRSTAIR  
DUMP VALVE**

-116

**TO DUMP SYSTEM PUSH  
RED/WHITE HANDLE  
AWAY FROM YOU**

**DOOR CAN BE OPENED  
MANUALLY BY EXTERIOR  
HANDLE.**

-117

**ELECTRIC AIRSTAIR DOOR**

**TO OPEN**

**SWITCH LOCATED IN PANEL BELOW RH  
FORWARD DOOR.(MARKED "SWITCH PANEL")**

-118

**TO DUMP SYSTEM  
PULL RED/WHITE  
HANDLE TOWARD  
YOU**

**DOOR CAN BE  
OPENED MANUALLY  
BY INTERIOR  
HANDLE**

-121

DWG NO.

183-34104-XXX

**ORIGINAL**

SH. 22

INCASE OF ELECTRICAL/  
HYDRAULIC FAILURE  
USE DUMP VALVE  
LOCATED IN CENTER  
POST,AFT SIDE  
OF DOOR.

**-119**

# **ELECTRIC AIRSTAIR DOOR**

**TO OPEN**

**SWITCH LOCATED FWD ABOVE DIVAN  
ARMREST, MARKED (ACTIVATION SWITCH)**

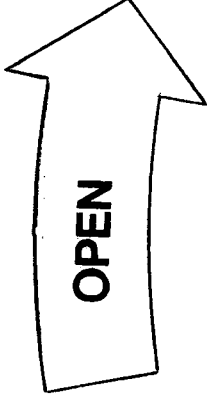
**-120**



-122



-123



-124

**STC'd PRINT**

DWG. NO.

183-34104-XXX P.24

-129

**TO ACTIVATE MANUAL HYD.  
SYSTEM**

MAKE SURE AIRSTAIR DOOR  
ELECTRICAL SYSTEM IS ON.

FLIP "TOGGLE" SWITCH TO  
DESIRED POSITION  
(OPEN/CLOSE)  
OF DOOR MOVEMENT:

GRASP "RED" KNOB, PULL  
TOWARD YOU, AT THE SAME  
TIME PULL UP TO FULLY  
EXTEND PUMP HANDLE.  
TO ACTIVATE MOVE HANDLE  
IN A ARCED UP/DOWN  
MOVEMENT.

DOOR LATCHING OPERATED  
BY EXTERIOR/INTERIOR  
HANDLE ON LOWER DOOR  
SECTION.

ACTUATOR RELEASE PIN  
(RED) LOCATED NEAR  
INTERIOR HANDLE AND  
ACTUATOR MUST BE PULLED  
FOR MANUAL ACTIVATION  
OF DOOR PINS.

TO REMOVE ACTUATOR  
RELEASE PIN :  
RELEASE HYDRA. SYS.  
PRESSURE BY ACTUATING  
INTERIOR VALVE (RED/WHITE  
STRIPPED HANDLE) IN POST.  
AFTER RELEASING  
PRESSURE, FIRMLY LIFT  
LOWER DOOR STEP ASSY  
UP TO GIVE ACCESS TO PIN.

-125

INCASE OF AIRSTAIR HYDRAULIC  
FAILURE USE HYD. HAND PUMP LOCATED  
IN CENTER POST, AFT SIDE  
OF DOOR.

**AIRSTAIR  
HYD. HAND  
PUMP**

-127

INCASE OF HYDRAULIC  
FAILURE USE HYD.  
HAND PUMP LOCATED  
IN CENTER POST, AFT  
SIDE OF DOOR.

-131

TO RELEASE HYDRA. SYSTEM  
PRESSURE PULL RED/WHITE  
HANDLE TOWARD YOU.  
ACTUATOR RELEASE PIN  
MUST BE PULLED AT THIS  
TIME TO OPERATE DOOR  
HANDLE.

TO REMOVE ACTUATOR  
RELEASE PIN:  
FIRMLY LIFT LOWER  
DOOR STEP ASSY UP TO  
GIVE ACCESS TO PIN.

-132

DWG NO. 183-34104-XXX

**ORIGINAL**

SH. 25.

INCASE OF HYDRAULIC FAILURE  
TWO BACK-UP SYSTEMS  
AVIALABLE:

- 1) HYDRAULIC HAND PUMP IN RH  
AFT SERVICE BAY.
- 2) EMERGENCY HYDRA SYSTEM  
DUMP IN CENTER POST, AFT  
SIDE OF DOOR.

IN EACH CASE DOOR ACTUATOR  
PIN MUST BE RELEASED TO  
OPERATE DOOR HANDLE.

-135

- INCASE OF HYDRAULIC FAILURE TWO BACK-UP SYSTEMS AVIALABLE:
- 1) HYDRAULIC HAND PUMP IN RH AFT SERVICE BAY.
  - 2) EMERGENCY HYDRA SYSTEM DUMP...IN CENTER POST, AFT SIDE OF DOOR.

IN EACH CASE DOOR ACTUATOR PIN MUST BE RELEASED TO OPERATE  
DOOR HANDLE.

-139

**"EMERGENCY DUMP"**

TO RELEASE HYDRA SYSTEM  
PRESSURE PUSH (RED / WHITE)  
STRIPED HANDLE AWAY  
FROM YOU.

ACTUATOR RELEASE PIN  
MUST BE PULLED AT THIS  
TIME TO OPERATE DOOR  
HANDLE.

TO REMOVE ACTUATOR  
RELEASE PIN: FIRMLY LIFT  
LOWER DOOR STEP ASSY UP  
TO GIVE ACCESS TO PIN.

-133

ACTUATOR RELEASE PIN:  
LOCATED (FLAGGED) NEAR  
MANUAL DOOR HANDLE.

-137

AIRSTAIR  
"EMERGENCY"  
HYDRAULIC SYSTEM  
DUMP

-134

**TO ACTIVATE MANUAL  
HYDRAULIC SYSTEM**

**MAKE SURE AIRSTAIR DOOR ELECTRICAL SYSTEM IS ON.**

**FLIP "TOGGLE" SWITCH TO DESIRED POSITION  
(OPEN / CLOSE) OF DOOR MOVEMENT.**

**PLACE HANDLE IN PUMP. ACTIVATE BY UP/DOWN "PUMPING".**

**DOOR LATCHING OPERATED BY EXTERIOR / INTERIOR HANDLE  
ON LOWER DOOR SECTION.**

-138

**RETRACTION AND EXTENSION  
OF CREW STEPS PROHIBITED  
AT SPEEDS ABOVE 80 KIAS.**



-140

**SOFT GOODS ONLY  
MAX LOAD 220 LBS  
100 LBS PER SQ FT**

-141

**"NOT A SHELF"**

-142

**TO ACTIVATE MANUAL  
HYDRAULIC SYSTEM**

1. DISCONNECT AIRSTAIR DOOR CONTROLLER.
2. ENSURE AIRSTAIR DOOR ELECTRICAL POWER IS ON.
3. POSITION HANDPUMP BYPASS VALVE PARALLEL WITH VALVE.
4. PLACE HANDLE IN HAND PUMP.
5. POSITION DOOR LOGIC MODULE BYPASS SWITCH IN DESIRED DIRECTION AND HOLD.
6. ACTIVATE BY UP/DOWN "PUMPING" OF HANDLE.

-143

**NO SMOKING**

-145

**ELECTRIC AIRSTAIR DOOR**

**TO OPEN  
SWITCH LOCATED FWD DOOR POST  
MARKED (ACTIVATION SWITCH)**

-144

STC's SH38445W  
SH73565W  
SH73635W  
SH76275W

DWG NO:  
183-34104-XXX  
ORIGINAL SH 27